



IN THE CLAIMS:

Cancel claims 9-14.

Amend claims 1-8 as follows:

- b'
a'
1. (Amended) A method of controlling power in a radio communication system having a radio interface between a first radio station and a second radio station comprising:
receiving a transmission from the second radio station at the first radio station;
determining a transmission power correction instruction that corresponds to a first transmission power of the second radio station, the transmission power correction instruction comprising a variable power adjustment increment, the variable power adjustment increment being adjustable by the first radio station and the second radio station in a subscriber dependent manner and a time-dependent manner;
evaluating, over time, an interruption of transmission between the first radio station and the second radio station;
transmitting the transmission power correction instruction to the second radio station during a transmission of the first radio station; and
adjusting a second transmission power of the second radio station according to the transmission power correction instruction;
wherein the variable power adjustment increment is temporarily increased after the end of an interruption of transmission between the first radio station and the second radio station.
 2. (Amended) The method of claim 1, wherein an amount of increase of the variable power adjustment increment is based on a length of the interruption.
 3. (Amended) A method of controlling power in a radio communication system having a radio interface between a first radio station and a second radio station, comprising:
receiving transmissions of the second radio station at the first radio station;

determining a transmission power correction instruction that corresponds to a first transmission power of the second radio station, the transmission power correction instruction comprising a variable power adjustment increment;

evaluating, over time, a condition of transmission between the first radio station and the second radio station, the condition of transmission comprising a speed of movement of the first radio station or the second radio station;

transmitting the transmission power correction instruction to the second radio station during a transmission of the first radio station; and

adjusting a second transmission power of the second radio station according to the transmission power correction instruction;

wherein the variable power adjustment increment is greater in a medium range of speed than in a high range of speed.

4. (Amended) The method of claim 3, wherein the variable power adjustment increment is greater in a medium range of speed than in a low range of speed.

5. (Amended) A method of controlling power in a radio communication system having a radio interface between a first radio station and a second radio station, comprising:

receiving transmissions of the second radio station at the first radio station;

determining a transmission power correction instruction that corresponds to a first transmission power of the second radio station, the transmission power correction instruction comprising a variable power adjustment increment;

evaluating, over time, a condition of transmission between the first radio station and the second radio station, the condition of transmission comprising one or more of a number of transmitting antennas and a number of receiving antennas used to establish communication between the first radio station and the second radio station;

transmitting the transmission power correction instruction to the second radio station during a transmission of the first radio station; and

adjusting a second transmission power of the second radio station according to the transmission power correction instruction;

wherein the variable power adjustment increment varies in accordance with at least one of the number of transmitting antennas and the number of receiving antennas.

6. (Amended) The method of claim 5, wherein, in a case that transmitting is performed in accordance with a macro diversity method, the number of antennas used to establish the connection is changed by changing a number of base stations that are in contact with at least one of the first radio station and the second radio station.

7. (Amended) The method of claim 6, wherein the variable power adjustment increment is increased in a case that the number of base stations that are in contact with at least one of the first radio station and the second radio station is increased.

8. (Amended) The method of claim 6, wherein the variable power adjustment increment is increased in a case that the number of base stations that are in contact with at least one of the first radio station and the second radio station is decreased.

✓
Add new claims 15-23 as follows:

--15. A method of controlling power in a radio communication system having a radio interface between a first radio station and a second radio station comprising:

receiving transmissions of the second radio station at the first radio station;
evaluating, over time, a condition of transmission between the first radio station and the second radio station,
detecting a change in the condition of transmission;
determining a transmission power correction instruction that corresponds to a transmission power of the second radio station, the transmission power correction instruction comprising a variable power adjustment increment;
changing the power adjustment increment in response to a change in the condition of transmission;

transmitting the transmission power correction instruction to the second radio station during a transmission of the first radio station; and

adjusting the transmission power of the second radio station according to the transmission power correction instruction.

B 16. The method of claim 15, wherein detecting a change in the condition of transmission comprises detecting an interruption in the transmissions.

17. The method of claim 15, wherein detecting a change in the condition of transmission further comprises:

detecting a change in utilization of radio resources between an up-link and a down-link between the first radio station and the second radio station.

A 2 ✓ 18. The method of claim 15, wherein detecting a change in the condition of transmission further comprises:

detecting a change to one or more of a number of transmitting antennas and a number of receiving antennas being used during transmission between the first and the second radio stations.

19. The method of claim 15, wherein a code division multiple access transmission protocol over a broadband transmission channel is used for transmission between the first radio station and the second radio station.

20. The method of claim 15, wherein the first radio station is a base station and the second radio station is a subscriber station.

21. The method of claim 15, wherein the first radio station is a subscriber station and the second radio station is a base station.

22. The method of claim 15, wherein detecting a change in the condition of transmission further comprises:

changing the power adjustment increment in accordance with one of a correspondence table and calculation rule linking different transmission conditions with different power adjustment increments.

23. A system for controlling a transmission power of a radio link, comprising:

a first radio station which receives a first transmission from a second radio station, which detects a change in a condition of transmission from the second radio station, and which evaluates a condition of the first transmission and determines a transmission power correction instruction, the transmission power correction instruction including a variable increment of power adjustment, and which transmits the transmission power correction instruction to the second radio station from the first radio station; and

a second radio station which receives the transmission power correction instruction of the first radio station, which transmits a second transmission from the second radio station to the first radio station, and which adjusts a transmission power during the second transmission.--

24. The method of claim 23, wherein the first radio station detects the change in the condition of transmission comprises detecting an interruption in the transmissions.

25. The method of claim 23, wherein the first radio station detects the change in the condition of transmission comprises detecting a change in utilization of radio resources between an up-link and a down-link between the first radio station and the second radio station.

26. The method of claim 23, wherein the first radio station detects the change in the condition of transmission comprises detecting a change to one or more of a number of transmitting antennas and a number of receiving antennas being used during transmission between the first and the second radio stations.

27. The method of claim 23, wherein a code division multiple access transmission protocol over a broadband transmission channel is used for transmission between the first radio station and the second radio station.

28. The method of claim 23, wherein the first radio station comprises a base station and the second radio station comprises a subscriber station.

29. The method of claim 23, wherein the first radio station comprises a subscriber station and the second radio station comprises a base station.

30. The method of claim 23, wherein the first radio station changes the power adjustment increment in accordance with one of a correspondence table and calculation rule linking different transmission conditions with different power adjustment increments.
